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Scientific - Physics, X-ray, electrical

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13 pp.

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Order from SLA \$1.60

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DESCRIPTORS: *Bismuth, *Crystals, Heat transfer,
Electrical conductance, Electric fields, Magnetic
fields, Crystal lattices, Conductivity, Resistance,
Rotation, Crystal growth, *Metallic crystals,
*Thermoelectricity.

Thermal and electrical conductivity of 4 Bi-crystal
rods of different orientation were measured
at -183 and -195° C in transversal magnetic fields of
(Physics--Solid State, TT, v. 9, no. 12) (over)

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I. Grüneisen, E.
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III. Title: Change ...

JIB 514 T 3003
U 51/B

DESCRIPTORS: *Bismuth, *Crystals, *Thermo-
electricity, Power, Magnetic field, Rotation, Re-
sistance, *Metallic crystals.

(Physics--Solid State, TT, v. 9, no. 12)

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Released by Protons, From Aluminum Al_K-Radiation,
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The Shape of the Compton Line, by Gerd Burkhardt,
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electric Primary Current in Crystals, by R. W. Pohl,
10 pp.

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Hole Conduction and Halogen Vapors in
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Sci - Phys
Oct 62

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On the Validity Range of the Resonance Principle of
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DESCRIPTORS: Crystals, *Potassium compounds,
*Sodium compounds, Bromides, Chlorides, *Color
centers, Excitation, Absorption spectrum,
Temperature.

The variation of the absorption spectrum of the color
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and 1000m μ caused by the excitation process is de-
monstrated. The quantum yield for the optical trans-
formation of F-centers to F'-centers exhibits a con-
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Sci - Nuc Phys
May 60

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Application to the Study of Ultra-Microscopic
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SLA 57-3073

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Agency: Air Force
S.S.#: 100-0001 70-3
Title: Über eine experimentell beobachtete
Erscheinung an Wirbelringen bei ...
Author: Krutzsch, C
Source: Annalen der Physik(5) 35, 497 (1933)
Language: German to English
Special Instructions: Please translate and
type one (1) copy.

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Between $+135^{\circ}$ and -253°C . Dependence of Crystal
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Tr No T/454 OF/204

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Bromide Mixed Crystals, by Hans Tomine, 9 pp.

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The Variation of Thermoelectric Phenomena in
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(Physics--Electronics, TT, v. 5, no. 1)

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I. Secondary emission--
Analysis

I. Geyer, K. H.

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III. Research Information
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Sci - Phys
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The Saddle Point Method In the Vicinity of a
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Sci - Phys
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NACA Tr 1362

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Aug 54 CTS

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Severin, Hans.

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DESCRIPTORS: *Erbium, *Salts, Spectrographic
analysis, Infrared spectroscopy, Electron transitions.

(Chemistry--Inorganic, TT, v. 7, no. 1)

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I. Severin, H.

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Trans. of Annalen der Physik (East Germany) 1947,
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DESCRIPTORS: *Rare gases, Neon, Argon, Krypton,
Xenon, *Electric discharges, Infrared spectroscopy,
Ultraviolet spectroscopy.

(Physics, TT, v. 6, no. 9)

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Stranski, I. N. and Sührmann, R.
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METAL SURFACES AND THEIR RELATIONS WITH
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MONOCRYSTAL SURFACES. [1960] [26]p. (bibliog.
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1. Single crystals (Metallurgy)--
Surface properties
2. Tungsten crystals--
Crystal structure
3. Field emission--Theory
1. Stranski, I. N.
- II. Sührmann, R.
- III. Title: Pure...

Office of Technical Services

(Physics--Solid State, TT, v. 5 no. 4)

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I. Rausch, K.

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TRANSVERSAL MAGNETIC FIELDS (ELECTRICAL-
AND THERMAL RESISTANCE: THERMOELECTRIC
POWER) [Untersuchungen an Antimon-Einkristallen im
Transversalen Magnetfeld (Elektrischer und Thermischer
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[1963] 24p. 30 refs.
Order from SLA \$2.60

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Trans. of Annalen der Physik (East Germany) 1947
[ser. 6, v. 1] p. 190-206.

DESCRIPTORS: *Single crystals, *Thermocouples,
*Antimony, Nickel alloys, Copper alloys, *Magnetic
fields, Crystal lattices, *Thermal conductivity,
Resistance (Electrical), *Thermoelectric generators.

The relative change of electrical and thermal resistance
in transversal magnetic fields up to 12 kOe is measured
(Physics--Solid State, IT, v. 10, no. 6) (over)

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Th. Forster, 22 pp.

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The Degeneracy of the Electron Gas Resulting From
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Sci - Phys
May 62

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Various Types of Changes Suffered by Pure
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Sci -
Aug 67

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Magnetic Properties of Ferrites, Ferromag-
netism and Antiferromagnetism, by L. Neel,
46 pp.

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SLA 57-3472
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Determination of the breakdown Potential of
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U.S. Patent Office Vol. 111

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Sci
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107 pp.

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S.I.A. Tr No 374/1955

Sci - Minerals/Metals, *Physics*
Jan 1957 CTB/dex

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AEC UCRL Tr-399(L)

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